

B41J 15/16

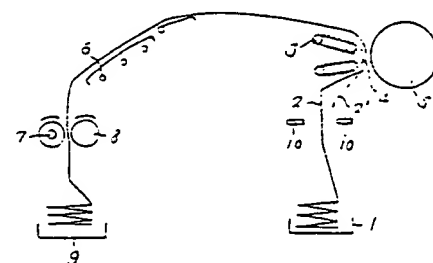
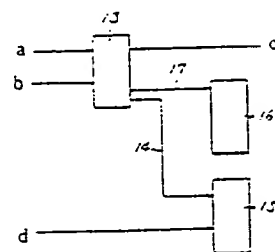
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## (54) PAPER FEEDER

(11) 61-177265 (A) (43) 8.8.1986 (19) JP  
 (21) Appl. No. 60-18630 (22) 4.2.1985  
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 (51) Int. Cl. B41J15/16, B41J29/00

**PURPOSE:** To prevent wrinkling of a paper, yellowing due to the heat from a heater, unsatisfactory fixing or the like from occurring, by providing a means for preventing a paper from being levitated on a preheater, and a controlling circuit for automatically starting a discharging cycle after printing on the last page is completed, in a paper feeder used in a printer in an information-processing system.

**CONSTITUTION:** A levitation-preventing device is provided in which the preheater 6 is provided with air sucking-out nozzles 11 and the space between the preheater 6 and a paper 2 is set to a negative pressure by a vacuum pump 12, whereby stable paper feeding is maintained, and favorable fixed state is maintained. When an end-of-paper condition is generated during printing, a printing-starting signal 14 is turned OFF to stop printing data, a predetermined period of time before the paper enters a hopper 9 is controlled by a timer provided in a controlling part 13, and after the normal discharge of the paper is confirmed, the controlling part 13 turns OFF a paper-starting signal 17, thereby discharging the paper without stopping it. Accordingly, yellowing of the paper, wrinkling of the paper or the like is prevented from occurring due to a delay of a discharging operation by the operator, and a favorable fixed state is maintained.



a: printing-starting signal. b: printing-stopping signal. c: end-of-paper signal. d: printing data signal